

UNIVERSAL  
LIBRARY



139 817

UNIVERSAL  
LIBRARY





FEDERAL STUDENT AID IN MISSOURI

1934 - 35

By  
Gilbert Cuthbertson,  
Supervisor, Student Aid Program.

July 1, 1935

Missouri Relief and Reconstruction Commission  
— Wallace Crossley, Administrator.

Roy Ferguson, Director, Educational Division.

## TABLE OF CONTENTS

Section		Page
I	Introduction	1
II	Exemplary Projects	6
III	Project Planning	24
IV	Evaluation	33
V	Statistical Data	39
VI	500 Projects in Missouri Colleges	46

## ILLUSTRATIONS

	Page
Child with orthopedic brace	3
Newspaper clippings	5
Leg lengthening apparatus	7
Instrument shop at the University of Missouri	9
Newspaper clippings	12
Brace parts	15
Christmas party	23
Christmas toys repaired by FERA students	23
First aid class	32
Negro band	32
Graph of students' performance	36
Students repairing toys	43
Recreation for underprivileged children	43

**MISSOURI RELIEF AND RECONSTRUCTION COMMISSION**

SECTION I  
INTRODUCTORY STATEMENT

During the school year 1934-35 funds were made available for student aid in order to pay approximately 100,000 students an average of \$15.00 a month for part-time work while they were attending college. The chief purposes of the Student Aid Program were to increase college enrollments and to decrease the number of unemployed youths.

The basic principles of this program were explained thus by Administrator Harry L. Hopkins in a letter to the Missouri State Relief Administrator, Wallace Crossley:

"6. Funds allotted shall be used to pay students for doing socially desirable work, including the sort customarily done in the institution by students who are working their way through college, such as clerical, library, and research work. Regular class instruction shall be excluded but students may be assigned to extension, adult education, recreation, and other activities that increase the usefulness of the college to the community. Each institution shall pass on the acceptability of its own projects. All jobs must be under the direct charge of the institution.



"7. Inasmuch as the principal objective of using relief funds for student aid is to increase the number of young men and women going to college, funds allotted shall not be used to replace college funds heretofore available for student aid. Ordinary maintenance work about the college, waiting on table in dining halls, and other routine activities that would have to be carried on anyway shall be financed from the usual sources, not from FERA funds. Violation of the spirit of this provision shall be considered a cause for withdrawing a college's entire allotment of student aid funds and assigning it to other institutions."

In Missouri, William Gammon, Director of the Information Department, assumed the additional duties of Student Aid Director, planning and launching the entire program. His clear vision and thorough understanding of the philosophy and spirit of the Federal Emergency Relief Administration have contributed largely to the success of the work in this state. Missouri's allotment was \$38,975.00 a month for the 54 colleges and universities participating in the program. The number of student jobs allocated to each school was 12 per cent of the total enrollment of full-time students October 15, 1933. Each institution selected its own students on the basis of need and capability. The larger schools whose FERA students numbered 35 or more established job planning councils to organize projects which would be beneficial to the community and state. Intra-mural projects, such as grading papers, clerical work, or maintenance of building and grounds were discouraged to the utmost, while stress was laid on extra-mural projects such as aid



1. Orthopedic braces were made for hundreds of crippled children by **FEA** students.

to under-privileged children and assistance to county relief workers. Always a conscious effort has been made to keep before the students, teachers, and supervisors the social rudiments and democratic ideals which are the justification of the entire program.

## Missouri College Students Busy On Many Projects Under FERA

### 50 Per Cent of Works Said to Be of Type That Will Have Direct Benefit to Community

Special to the Post-Dispatch.

ROLLA, Mo., Oct. 11.—A total of 2865 college students in Missouri are receiving student employment under the Federal Employment Relief Administration, and are engaged in some type of socially desirable work, according to a statement here by William Gammon, director of student aid under the Missouri Relief and Reconstruction Commission. Fifty per cent of the student aid under the Missouri Relief and Reconstruction Commission said, are of the direct benefit to the community in which the students are school.

The students receive approximately 10 per cent of their total allowance after fees are paid. Several schools of Mines have and at under the emergency educational program of "hibiting" in order to get the student aid program of Gilbert Cuthbertson.

### GARBAGE PROBLEM GET ATTENTION

Federal Survey to Be Made in Fulton at Once by College Students

### CITY TO GET REPORT

MAYOR SAYS INVESTIGATION MAY RESULT IN DISPOSAL

There is no other garbage disposal in Fulton residents' hands. Some neighbor high between fifty and sixty boys in the same have been made to have art College, Harold Dunsen, and Ralph Kraus.

### M. U. DEAN COMPLETES STUDENT HOUSING SURVEY

The housing survey of rooms for University of Missouri men students which has been conducted by the office of the Dean of Men of the University has just been completed, according to Dean Albert E. Hockett. This information will be compiled and will give a definite idea of the average living conditions of the men students of the University. The survey was conducted by FERA workers who visited every home in Columbia keeping men student roomers. The information compiled included the names of the householder, a rating of the rooms after the visit, information about the structure of the house, number of floors, fire escapes, heating systems, total number of rooms and roomers.

## Many Interesting Jobs Are Furnished Students in College Through the FERA

Many interesting and important jobs for which means otherwise probably not available, are being furnished to students in college through the FERA project.

Statistics taken from freshman English examination papers. The examinations are given at certain periods throughout the year. The scores are compiled and studied for future reference. Some of the FERA workers are making a general study of food prices in the years 1932-34 and 1934-35. Students are collecting and classifying bibliography in the courses of poetry. This is done in order to keep courses up to date by utilizing all the literature in the field. Some are working on detailed biological subjects assigned by the instructor. Others are collecting and classifying the field through the

FERA NIGHT SCHOOL PLAY. The FERA Night School Play, "The Last Days of Pompeii," is being staged at the University of Missouri. The play is a dramatic work of the FERA Night School. The play is a dramatic work of the FERA Night School. The play is a dramatic work of the FERA Night School.

### CREATION CLASS OR GIRLS OPENED UNDER F. E. R. A.

Project Will Begin Saturday, October 30th and is Free to All Girls in 4th to 8th Grades. Under the auspices of Webster College, the Federal Emergency Relief Administration is sponsoring a class on Saturday on Saturday at Webster College gymnasium. The project is to be opened on October 30th at 11. The project is to be opened on October 30th at 11.

### Community Center Will College Students Be Open Evenings For recreational Meetings Nursery School Here

Three students of the State Teachers College, Harold Dunsen, and Ralph Kraus, will be played. Books and (1).

### Public Offered Special Service at Large State College Library

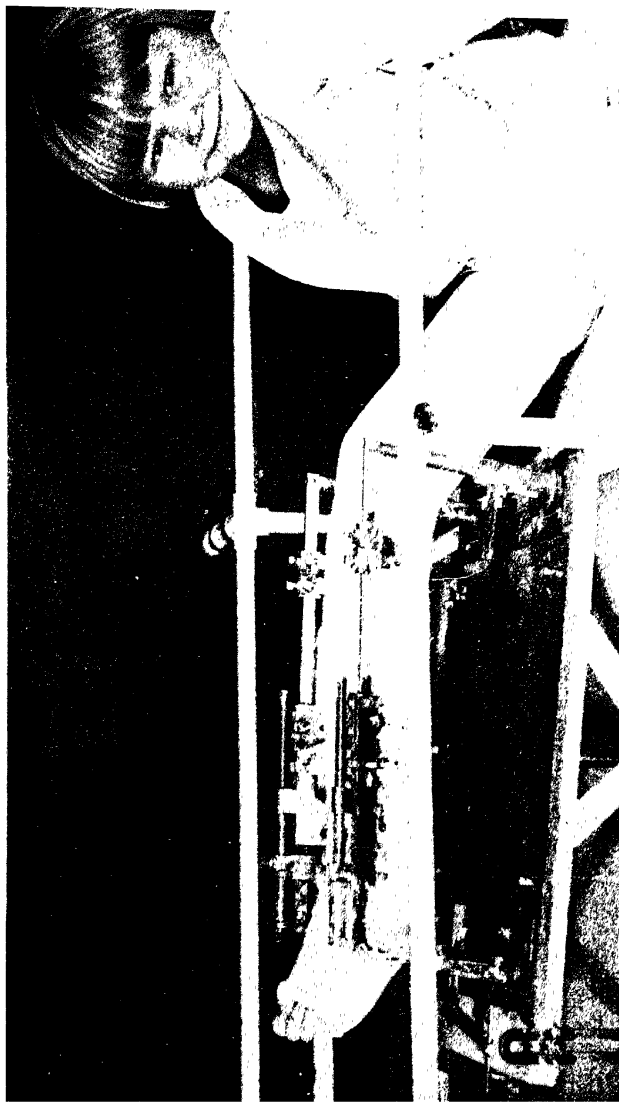
Through the additional assistants provided by the FERA part-time employment of students, the library at State College will remain open each evening from 7 to 10 o'clock, and Saturdays, other than students, will be permitted to use the library. It was announced today by Miss Sadie Kent, college librarian. Hereafter, only day service has been rendered, through the limited number of assistants available. Elmer A. Niemann has been appointed night librarian, and his student assistants will be trained by working under the regular library force during the day hours. Miss Kent said. Although the college library gives major attention to providing reference volumes and fiction for the college students, librarians will find the library shelves including many books that there is not great enough demand for their being placed in the Public Library. In the new plan, it is believed that the college can be of much assistance in the community. Besides containing 51,994 volumes, the college library receives more than 229 magazines and other periodicals, including several daily newspapers.

## SECTION II

### EXEMPLARY PROJECTS

Probably the most justifiable and socially desirable projects are those which provided education or recreation for crippled children. At many of the colleges and universities in Missouri, FERA students were assigned to different types of work with and for crippled children. An effort was made by these students to brighten the outlook and increase the pleasures of these children who are physically handicapped.

At Missouri University, in cooperation with the Crippled Children's Service, a comprehensive program was established. One student there has spent her time in teaching health habits and hygiene to the crippled children in Noyes Hospital. Also, under the supervision of Dr. William J. Stewart, student workers from the Engineering Department made leg braces and repaired and rebuilt old ones. Various other appliances used in connection with the treatment of crippled children at the University Hospital were also made. Paraffin baths, oxygen tents,



Specially designed surgical apparatus for lengthening leg of child, a victim of poliomyelitis (infantile paralysis) Moyes Hospital, University of Missouri.

traction foot pieces, finger and arm protractors, Bradford frames for curved backs, bone pins, bandage supports, Putti splints for the extension of legs, exercise apparatus, lead weights for tractions, and massage boards are some of the different kinds of equipment which have been made.

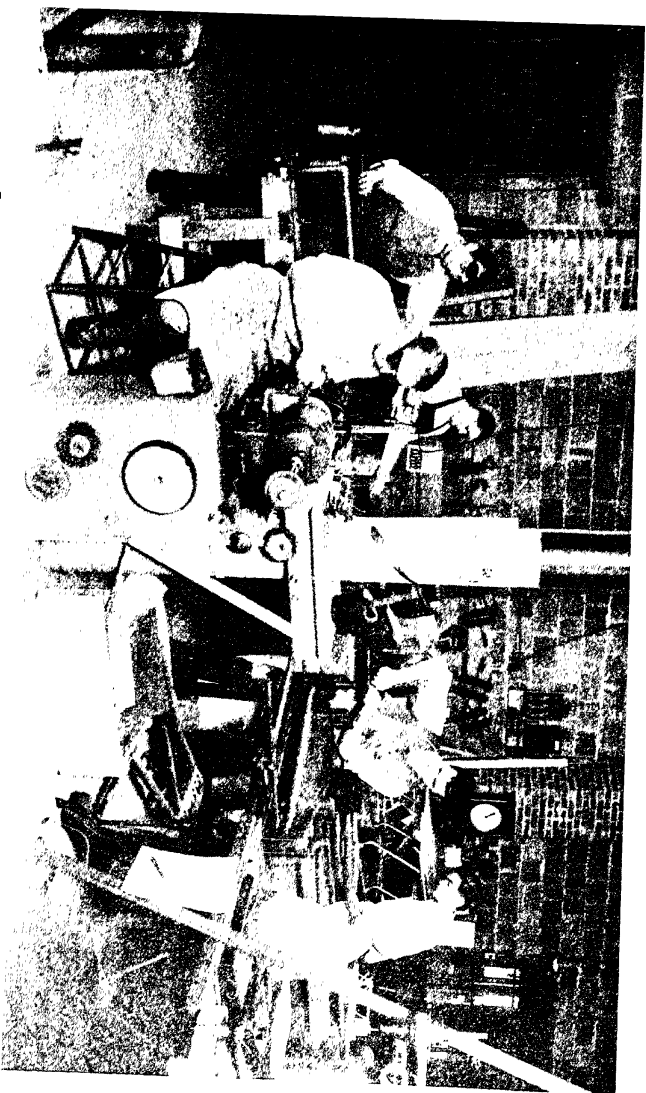
In Marshall, at the Georgia Brown Blosser Home, where crippled children are sent to convalesce after they have been treated at Noyes Hospital in Columbia, bedside instruction was given to these children by students of Missouri Valley College.

At Stowe Teachers College in St. Louis, three students taught colored crippled children in their homes. Several primary pupils were taught to read simple sentences. One advanced pupil became very much interested in the study of English literature. Later, as a result of this study, this student began the composition of original poems.

In Kansas City FERA students at Junior College assisted the regular attendants at the R. J. DeLano School for Crippled Children.

Other significant community projects with and for children were as follows:

1. Supervised recreation for convalescing children of St. Louis Children's Hospital: this project was carried on by one of the students at Washington University. When the weather permitted



3. FEBA students working in the orthopedic brace and instrument shop at the



the children were taken outside to play, so that they might have the benefits of fresh air and sunshine. On other days they were taught new games or were told stories in their wards.

2. Clinic and special cleaning program for children's teeth: this project was conducted by students of Kansas City-Western Dental College.
3. A first aid class for children in Kirksville: this was sponsored by the Kirksville College of Osteopathy. The children were taught approved methods of administering first aid in emergencies as given in the standard Red Cross First Aid Text.
4. A story-telling project carried on by students at Lindenwood College: these students went into the homes of the poorer families of St. Charles. Not only did the stories please the children, but they also proved a relief to over-burdened mothers.
5. The repairing of children's toys for Christmas: Industrial Arts students at Central Missouri State Teachers College collected broken and discarded toys, then renovated and repaired them.

Later, they were distributed in homes where the children otherwise would not have received such presents. At Lindenwood the students made a large number of dolls and doll dresses for distribution at Christmas time. The students showed so much interest and enthusiasm in the project that after the Christmas holidays they made children's clothing. Many of the girls in school donated dresses to be remodeled for this work.

6. Recreation class for girls: this project was sponsored by Webster College, Webster Groves. The class met every Saturday morning. It included folk-dancing, games, contests, and handicraft of all sorts such as sewing, basket weaving, and leather tooling.
7. Organized play for under-privileged boys and girls of the Community Center area: students of Northwest Missouri State Teachers College took charge of this work. About 60 boys between the ages of 15 and 16 years were divided into groups for games, nature study, and hikes. These boys were given an opportunity to develop leadership by handling their own organization.

# FERA STUDENTS GET NEEDY STUDENTS TO BETTER GRADES AT BE HELPED BY FERA W. U. THAN OTHER

Free and efficient instruction is being given to needy students by the Federal Emergency Relief Administration. The FERA program is designed to help students who are unable to pay for their education. The program is administered by the Federal Emergency Relief Administration, which is a part of the Federal Government. The program is designed to help students who are unable to pay for their education. The program is administered by the Federal Emergency Relief Administration, which is a part of the Federal Government.

ASSISTANCE TO 2,000 YOUNG MEN AND WOMEN DURING COMING COLLEGE YEAR

Maximum, \$20.00 Month

Students Will Be Selected On the Following Qualifications: Need, Character and Ability—Data from Colleges

## Nearly 12 Per Cent of College Students Receiving FERA Aid

Jefferson City—F—Approximately 12 per cent of Missouri college enrollment is composed of students being given aid under the emergency educational program of the federal emergency relief administration.

Robert Christensen, supervisor of the student and program said here approximately 2,000 students are being given aid under the program. The average allowance being received by students under the program is \$15 a month.

## DRURY COLLEGE STUDIES VARIOUS CAUSES OF CRIME

SPRINGFIELD, MO., Dec. 22.—The Drury College students are studying the various causes of crime. The students are studying the various causes of crime. The students are studying the various causes of crime.

## TRANSIENTS ARE STUDYING

FERA Lends Its Aid to Government Camp in St. Joseph.

One of the most important projects in the FERA program is the study of transient causes of crime. The students are studying the various causes of crime. The students are studying the various causes of crime.

Three students are conducting the study. The students are studying the various causes of crime. The students are studying the various causes of crime.

## FERA PROGRAM HAS FORTY-TWO PROJECTS

Students Are In Earnest Over Their Work and Projects

The job planning council of the college has submitted forty-two projects to the state director, William Gammon, and student work under the FERA Program is going forward with considerable earnestness on the part of the students.

The projects that are being taken are:

Negative, mounting and museum material in literature and biology exhibits in the library, and

Fl. A. and

sub.

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

and

## Survey of the City Made by the College F. E. R. A.

Interesting statistics are being compiled by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

The survey is being conducted by the F. E. R. A. survey of the city.

## FERA Students Binding Books at School of Mines



PUBLICATIONS of the Missouri Geological Survey are being prepared by engineering students at Rolla in the group are W. H. McDILL, HARRY GERWIN, CHARLES SHIP, and others.

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

FERA Students Binding Books at School of Mines

8. Work with Boy Scouts and Girl Scouts in St.

Joseph: students of St. Joseph Junior College managed this project. They served as leaders for several different troops. They led hikes and furnished games, songs, and stories for the various groups.

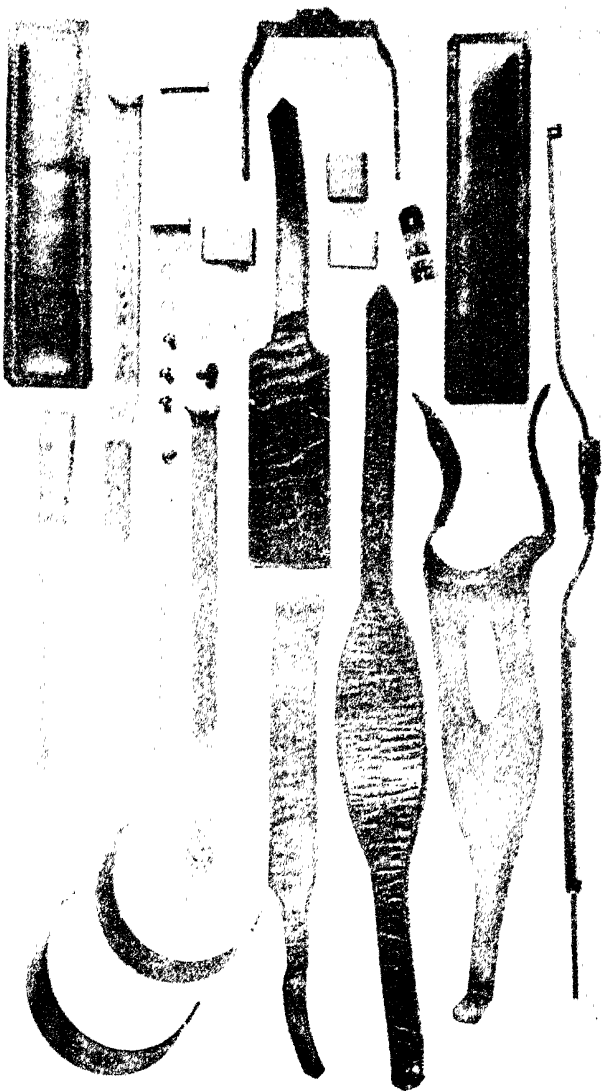
9. A Christmas party for children whose fathers were in the Veterans' Camp at Warrensburg.

However, adults as well as children were benefited by these Student Aid projects. Wherever possible, FERA students have worked in connection with the local relief offices. They have served all over the state as stenographers, clerks, and assistant welfare workers, or in any other capacity which aided the local relief officers. In St. Louis two of the Washington University students have been connected with the legal department of the St. Louis Relief Administration. These students have traced titles to various properties, checked marriage, birth, and death records, and have assisted in handling cases for clients who were on relief rolls.

Furthermore, in Transient Camps and CCC Camps, students have organized classes and recreational activities for the boys and men. In Cape Girardeau a group of adults were taught at the Salvation Army Hall for three evenings each week. Arithmetic,

elementary English, spelling, and public speaking were taught. Also, students from Southeast Missouri State Teachers College conducted classes at the Transient Camp at Chaffee. Arithmetic, English, hygiene, and physical education were taught there. In Springfield students of Southwest Missouri State Teachers College conducted classes for illiterates in connection with the Adult Education Program there. In Tarkio a program of athletic and recreational activities was organized with the local CCC Camp. This included boxing, wrestling, organized games, and swimming. The school gymnasium was made available for this program. In Kansas City students at Rockhurst and St. Teresa Colleges did commendable work at the Mexican Center. Also, they sponsored a recreation program for Mexican children whose home life did not provide them with facilities for play.

In addition to these instructional and recreational types of work, there were many other noteworthy community projects which embody the chief tenet of the Student Aid Program: that projects be found which will increase the usefulness of the school to the community. FERA students from the Art Department of Southwest Missouri State Teachers College have had charge of the art exhibitions listed on the following page. These art exhibitions have been presented in Springfield.



4. In addition to finished braces, hundreds of brass parts were made for labor assembling at the Missouri University brass shop.

profiles for each of these maps were constructed by the students. Eight schools, Cottey Junior College, Iberia Junior College, Junior College of Flat River, Kirksville College of Osteopathy and Surgery, Missouri Valley College, Ozark Junior College, Westminster College, and William Jewell College, participated in this work.

B. Project in Topographic Control Data: The purpose of this work was plotting topographic control (traverse and level) data on county road and highway maps. Students were supplied with large scale county maps and were instructed to plot thereon the results of transit traverse and level surveys as indicated in the notes of the field surveyors. This work was done in order to make the results of these surveys immediately available for office consultation, in field studies, and in planning for similar field work. Students from the five State Teachers' Colleges, Missouri University, and Washington University worked on this project.

C. Adair County Coal Investigation: This project was established at Northeast Missouri State Teachers College at Kirksville, Adair County, for the purpose of investigating the coal resources of this county. Completion of this work included the mapping of the underground workings in the county; a determination of the number, thickness, and depth of the various coal seams worked; the location of old workings and present workings

in the area; and a recording of known variations in the thickness of the coal seams.

D. Investigation of Missouri Caves: As a result of this project, caves in 34 Missouri counties have been listed, located and described. One student of the Missouri School of Mines and Metallurgy at Rolla has carried on this work in the office of the Missouri Geological Survey.

Other research projects were carried on by FERA students from the Junior Colleges of St. Joseph and Kansas City and Southwest Missouri State Teachers College. These students assisted in compiling statistics and data for the local offices of the United States Government Weather Bureau. In Kansas City statistics were compiled for the last 25 years (1910-1934 inclusive) for the following information:

1. Hourly amount of precipitation exceeding .01 inch.
2. Frequency of precipitation exceeding .01 inch.
3. Duration of rainfall.
4. Rainfall occurring day and night periods.

One psychological research project completed at Missouri University by students under the direction of Dr. W. J. Saupe consisted of a mental survey of the state eleemosynary institutions. These students scored mental tests, tabulated, and summarized mental test results and certain social and economic information secured from the inmates. This work was done in



connection with the Bi-partisan Advisory Board to the State Building Commission as part of the rehabilitation of the eleemosynary institutions. Although it is impossible to summarize such a comprehensive report in a few sentences, a brief resume of the work follows:

Chapter I is a report of the general mental ability of the men in the Missouri State Penitentiary in Jefferson City as measured by the two Army Mental Tests—Army Alpha and Army Beta. This report shows that the 3,810 Missouri prisoners, including 2,974 white and 1,016 colored men, rank, as a whole, in general intelligence above the general population, as indicated by the samples of soldiers that are rated as representative of the general population.

Chapter II presents a summary of school grades reached and the occupations of Missouri prisoners. While these prisoners ranked above the Army tests in intelligence, they ranked below the Army results in schooling. Nearly two-thirds of the Missouri prisoners fall in the following four occupational groups: agriculture, 22 per cent; common labor, 15.1 per cent; personal service, 12.4 per cent; and building and related trades, 11.4 per cent.

Chapter III presents the chronological ages of the prisoners, the sizes of the cities in which they attended school last, and intelligence ratings according to the size of cities where they attended school last.

A second part of this study is a report on the general mental ability of the boys in the Boonville Training School and on Algoa Farms. This study is similar to the one made in the Missouri State Penitentiary, which has already been described.

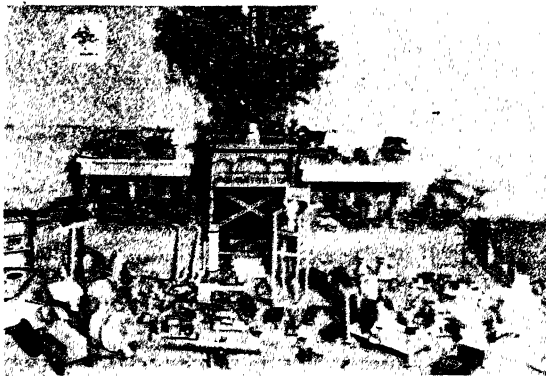
Another noteworthy research problem that was completed under the direction of Doctor Magill of Cape Girardeau is contained in a mimeographed and bound book entitled "A Bibliography of Research in Science Teaching with Brief Abstracts of Articles Found in Various Journals in the Library of Southeast Missouri State Teachers College." As the title suggests, the book contains a brief resume of every article dealing with the teaching of science which is to be found in the College Library at Cape Girardeau. This volume represents hours of careful reading and writing; hence, it should be valuable for future reference.

Still another research study worthy of mention is the project: correlates of literary preferences. This work was carried on by Washington University students directed by Dr. T. F. Lentz. It deals with the reading likes and dislikes of children 11, 12, and 13 years of age, and the factors correlated with these likes and dislikes. The final aim of this project was to make a psychological typing of a list of books which will enable librarian teachers, and parents to predict the effect of a specific book upon a particular child.

Many similar projects might be cited here; however, these few mentioned above should serve as examples of the varied types of work accomplished this year by FERA students in the colleges and universities of Missouri.



5. FERA students at Warrensburg State Teachers College provided this Christmas party for children of the unemployed.



6. FERA students in Missouri colleges gathered and repaired thousands of broken toys that Christmas joy might be provided for children in destitute families.

SECTION III  
PROJECT PLANNING

Dr. L. R. Alderman, Director of the Emergency Education Program of the Federal Emergency Relief Administration, cast the die for planning college projects in the following words:\*

\*\*\*In many specific colleges and universities, it would be well to have representatives of the student body working with representatives of the faculty in devising and discovering jobs to which students aided by federal funds should be assigned. In fact, the Student Aid Program might be regarded as a larger experiment in the discovery and creation of new work opportunities..."

In Missouri, special efforts were made to provide leadership for job planning councils and project committees. To this end, numerous conferences were held and recommendations made to those charged with project administration in the institutions in order to aid in developing the maximum amount of local ingenuity and initiative in devising socially desirable work.

\*Letter to President L. D. Coffman, of the University of Minnesota.

The Missouri College Union cooperated with the administration by naming a committee to work with college job planning councils and project committees on certain projects of widespread interest and value. The personnel of this committee was as follows: Dr. Herman Schlundt, Chairman, Missouri University, Columbia; Dean G. B. Sweazey, Westminster College, Fulton; Dean E. T. Puckett, Central College, Fayette.

Two other advisory committees were formed for the purpose of coordinating projects in termite investigation and control and educational tests and measurements. These committees were comprised as follows:

Termite Investigation and Control: Dr. Herman von Schrenk, Chairman, St. Louis; Dr. Ralph Voris, Southwest Missouri State Teachers College, Springfield; Dr. H. A. Phillips, Central Missouri State Teachers College, Warrensburg; Dr. L. Haseman, Professor of Entomology, University of Missouri, Columbia; and William Gammon, Director, Student Aid Program, Jefferson City.

Educational Tests and Measurements: Dr. W. J. Sanpe, Chairman, University of Missouri, Columbia; Dr. Theodore Lentz, Washington University, St. Louis; Dr. S. A. Krusé, Head, Department of Education, Southeast Missouri State Teachers College, Cape Girardeau; and William Gammon, Director, Student Aid Program, Jefferson City.

## JOB PLANNING COUNCILS

### Central Missouri State Teachers College

E. L. Hendricks	F
Ward Edwards	F
W. E. Morrow	F
G. E. Hoover	F
Marie Todd	F
Elmer Brown	F
Harry Garrison	L
Rev. V. T. Wood	L
Harriet Cockefair	S

### Kirkville College of Osteopathy

H. E. Litten	F
Miss G. Hart	L
Harvey Neville	L
Charles Jones	S
Vivian Clark	S
Paul Woods	S

### Northeast Missouri State Teachers College

Eugene Fair	F
L. A. Eubank	F
Lucy Simmons	F
Freda Bruns	F
Frances Fuller	F
Marion Schott	L
Margaret O'Briant	S
Robert Doyle	S

### Northwest Missouri State Teachers College

O. Myking Mahns	F
C. E. Wells	F
Stephen G. Lamar	F
Katherine Franken	F
Margaret Stephenson	F
E. A. Davis	F
R. A. Kinnaird	F

F - Faculty

L - Layman

S - Student

Donald Valk	F
Mayor O. L. Robey	L
M. W. Stauffer	L
Jack Carson	L
Francis Sloniker	S
Jonan Haskell	S
Ellwood Huff	S

Southwest Missouri State Teachers College

Roy Ellis	F
W. O. Cralle	F
E. E. Dodd	F
Dora Haymes	F
W. V. Cheek	F
H. E. Nettles	F
Floy Burgess	F
Edgar Hermann	L
Walter Pettit	L
Kenneth Louderback	L
Evelyn Hoord	S
Elizabeth Stewart	S
Curtis Mingo	S

University of Kansas City

E. H. Newcomb	F
O. G. Sanford	F
Glyde D. Norton	F
Walter Matscheck	L
Ray W. Wilson	L
Frank Kelley	S
Den Dennis	S

University of Missouri

W. J. Saupé	F
S. B. Shirky	F
C. T. Pihlblad	F
H. R. Mueller	L
Dr. A. W. Kampeschmidt	L
Robert Gibson	S
Ida C. Baker	S
Edwin A. Payne	S



Westminster College

F. L. McCluer	F
R. O. Baker	L
Waldo Smith	L
Herbert McCready	S
Edmund Hockaday	S

## PROJECT COMMITTEES

### Christian College

Kathryn Douglass	F
John Parrish	F
J. E. Long	F
Dr. Rudolf Bednar	F
Ruth Almstedt	F
Dr. R. G. Abram	F
Dr. Esther W. Stearn	F
Alma Collier	F
Grace Mitchell	F
Alma Hill	F
Margaret McMillan	F
Laura Mae Brown	F
Ruth Graham	F
Mrs. Mary P. Keesley	F
F. B. Laumer	F
Dr. J. C. Miller	F
Dr. J. H. Dougherty	L
Virginia Findlay	S

### Conception College

Rev. Phillip Ruggle	F
Rev. Thomas Allen	F
Rev. Stephen Schappler	F

### Cottey Junior College

Lulu E. Cummins	F
Mrs. Lutie Petty Key	F
Dr. Lela A. Ewers	F
Margaret R. Moore	F

### Culver-Stockton College

J. H. Wood	F
L. S. Hopkins	F
H. B. Robison	F
Wayne Kious	S

F - Faculty

L - Layman

S - Student

Drury College

Guy L. Barnes	F
L. E. Meador	F
E. L. Clark	F
R. Neal	F
John Immer	S
Merle Hammond	S
Sarah Anderson	S

Fontbonne College

Mother M. Palma	F
Sister Joseph Aloysius	F
Sister M. Berenice	F
Dorothy Coleman	S

Hannibal-LaGrange College

Andrew F. Morris	F
Lloyd Foley	F
M. C. Willis	F

Harris Teachers College

Philip J. Hickey	F
Jessie Osborn	F
L. R. Fuller	L

Iberia Junior College

G. Byron Smith	F
Lelia M. Anderson	F

Kansas City Teachers College

G. W. Diemer	F
Emma Serl	F
Stella Pierson	F
Thelma Reed	F
Mary Margaret Moore	F

Inter-County Junior College

O. O. McMillin	F
A. L. Jones	F

H. F. Lawrence	F
Leonard M. Hosman	L
Francis Vollers	S
Mary A. Ward	S

#### Jefferson City Junior College

William F. Knox	F
G. J. Linker	F
J. C. Deaton	F
R. W. House	F

#### Junior College, St. Joseph

Dorothy Ewan	F
Mary Robinson	F
Nelle Blum	F
Radiance Zollinger	F
Jean Trowbridge	F
Muriel Lomax	F
Mrs. Muir	L
Dr. I. Young	L
Miss Alice Stone	L
Ray Baird	L
Margaret Chestmore	L

#### Kansas City-Western Dental College

Margaret A. Poots	F
H. E. Francke	S
R. R. Lopez	S

#### Maryville College

Mother Mary Reid	F
Mother Mary T. O'Loane	F
Mother C. Shaw	F
Mother M. Murphy	F
Mother M. Curran	F

#### Missouri Valley College

Clarence L. Mill	F
Percy L. Johnson	F
Robert M. Haley	F
E. L. Parsons	F
Irene Smith	S

Moberly Junior College

M. F. Beach	F
M. A. Spohrer	F
Howard Creed	F
Bessie Elliott	F
Arthur Slagle	S
Howard Simpson	S

Park College

F. W. Hawley	F
W. F. Sanders	F
Walter Krattli	F
D. M. Knight	F

St. Louis College of Pharmacy

Dr. J. R. Thayer	F
A. F. Schlichting	F

Southwest Baptist College

J. A. Yarbrough	F
C. R. Alexander	F
J. S. Weaver	F
Mrs. J. F. Hurst	F
Mrs. Hattie Overstreet	F
Ruby Brogdon	F
F. L. Stufflebaum	L

Stowe Teachers College

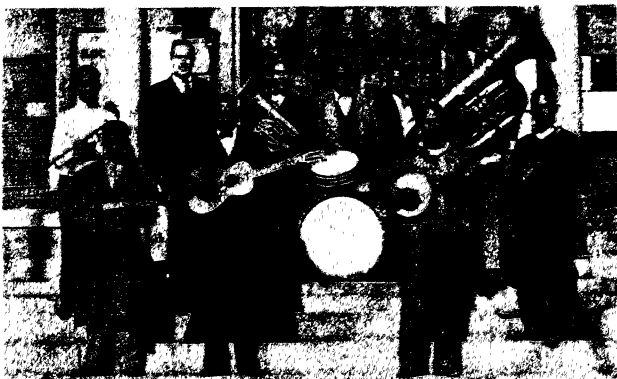
Phillip J. Hickey	F
Ruth Harris	F
L. R. Fuller	L

Tarkio College

M. Earle Collins	F
J. R. Janison	F
H. K. Noel	F
E. V. McCollough	F



7. First aid class, Kirkeville School  
of Osteopathy and Surgery.



8. Negro band organized and conducted by  
an FERA student, Central College,  
Fayette.

## SECTION IV

### EVALUATION

The Student Aid Program in Missouri this year has served a manifold purpose. Primarily, it has enabled deserving young men and women to pursue their college training; whereas, without this aid, they would have been left to the disintegrating influences of idleness and thwarted ambitions. That a government should assume such a parental attitude toward its young people has seemed to many a strange innovation in political methods; yet those who scoff at the Student Aid Program automatically fix money as the sole criterion and the only requirement for a college education. Ideally, however, our government is democratic, and we have no class distinctions. Hence, the ambitious, capable boy or girl who desires a college education should not be deprived of its benefits because of lack of funds.

Not so long ago there was heard the rumbling of the selfish and critical members of society because a high school education was being made possible for every boy and girl through expenditure

of public moneys. Today a college education is undoubtedly less of an asset than a high school education was in those days. Again, the cynics and critics argue that therein lies the difficulty. They maintain that there are already too many college-trained youths: why flood the business and professional world with more of them? Obviously, this argument breaks under its own weight; for the great increase in the number of college-trained youths has made it practically an impossibility for one who is not college-trained, unless he has outstanding ability or influence, to secure a desirable position. This condition is causing the uneducated boy or girl to be rapidly and more rapidly relegated to manual labor without any opportunity for rising above this level.

Worse still, he or she may have no job at all. According to the St. Joseph News-Press, June 28, 1935, a survey, made over a period of four years (1930-34) in 350 high schools and 25 colleges and universities in Missouri, shows that there are 30,000 graduates of first class high schools who are unemployed. These facts were announced by Dr. G. W. Diemer, President of Kansas City Teachers College and Chairman of the committee of 25 school representatives. Without any question of doubt, these young people must be reckoned with and cared for. To leave them to unemployment or relief rolls is to obliterate all the dreams and ambitions of their youth. An opportunity to attend college gives

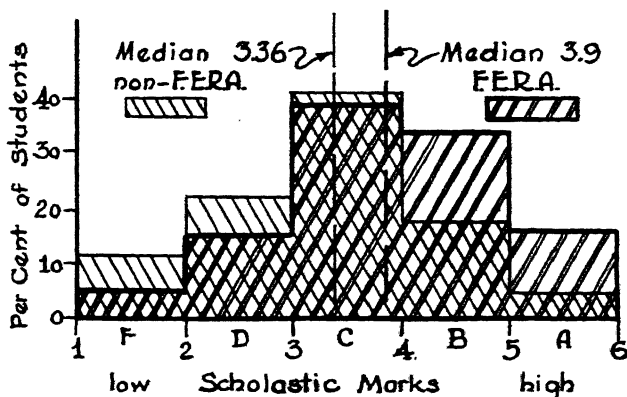


them a chance to more readily find their places in society. Therefore, the government is making a stupendous investment in paying for the higher education of those who are competent and desirous of college training.

Educationally, the work done by these students contributed and complemented their classroom and laboratory instruction. At the outset of the program, the Student Aid Director predicated administrative and project policies on the firm belief that: "Students need more than the economic relief afforded by this program; they need the morale relief. They should be worked on projects that dignify the educational goals toward which they are making sacrifices; and there is a decided need for an opportunity for the students to tie in and coordinate the plans of their college courses with their intellectual and social life."

This philosophy was vindicated. Preliminary results of an analysis of the grade marks, intelligence tests scores, and reading ability tests scores of FERA freshmen as against other or "non-FERA freshmen" showed that 45.2 per cent FERA students received A or B, while only 22.4 per cent non-FERA students received marks this high. At the lower end of the scale was shown that 33.8 per cent non-FERA students received D or F, while only 15.6 per cent FERA students received marks this low.

The median scores on the Thurstone Psychological Examination for the two groups were: non-FERA, 200; FERA, 206. On the Iowa Silent Reading Test the median scores were: non-FERA, 152; FERA, 155.5\*. While these results were obtained at Washington University, similar results were obtained in other institutions.



This graph represents 250 "marks" of 50 FERA freshmen compared with 500 "marks" of 100 non-FERA freshmen. All data are chosen at random and are actual, not average, marks.

\* Compiled by Dr. Theodore F. Lentz, Professor of Education, Washington University, St. Louis, Missouri.

Moreover, these students have been given especial training in job-planning and job-finding. Since maintenance jobs and all others that had formerly been carried on by the colleges were not permitted, new work had to be found for these students.

In addition to the assistance which the Student Aid Program has given students, there has been a farther reaching and secondary result. The projects which have been carried on by the students have contributed to social and civic betterment and to the aid of the distressed and unfortunate in the various communities throughout the state. These deliberate efforts toward uplifting the underprivileged strata of society have tended toward making the colleges more definitely than ever before an integral part of their respective communities.

Needless to say, whatever may have been the results and achievements of the program in Missouri this year, the entire undertaking has been somewhat elemental and experimental in character. However, with the last two years of experience as working models, there is room for expansion and improvement in selecting and administering the projects so that they may typify more thoroughly the social ideals and underlying principles of the Student Aid Program.

STATISTICS

SECTION A

## COLLEGES AND THEIR MONTHLY ALLOTMENT

Name and Location of College	Student Enrollment	12 Per Cent of Enrollment	Monthly Allotment
Central College, Fayette	480	57	\$ 855.00
Central Missouri State Teachers College, Warrensburg	848	101	1,515.00
Central Wesleyan College, Warrenton	56	6	90.00
Christian College, Columbia	200	24	360.00
Conception College, Conception	70	8	120.00
Cottey College, Nevada	60	7	105.00
Culver-Stockton, Canton	149	17	255.00
Drury College, Springfield	307	36	540.00
Eden Theological Seminary, Webster Groves	78	9	135.00
Flat River Junior College, Flat River	160	19	285.00
Fonbonne College, St. Louis	205	24	360.00
Hannibal-LaGrange College, Hannibal	130	15	225.00
Harris Teachers College, St. Louis	436	52	780.00
Iberia Junior College, Iberia	60	7	105.00
Jefferson City Junior College, Jefferson City	76	9	135.00
Kansas City Junior College, Kansas City	1,002	120	1,800.00
Kansas City Teachers College, Kansas City	140	16	240.00

Name and Location of College	Student Enrollment	18 Per Cent of Enrollment	Monthly Allotment
Kansas City-Western Central College, Kansas City	251	30	\$ 450.00
Kirksville College of Osteopathy and Surgery, Kirksville	623	74	1,110.00
Lincoln University, Jefferson City	239	28	420.00
Lindenwood College, St. Charles	400	48	720.00
Maryville College, St. Louis	104	12	180.00
Missouri Valley College, Marshall	235	28	420.00
Monett Junior College, Monett	80	9	135.00
Moberly Junior College, Moberly	152	18	270.00
Northeast Junior College, Kansas City	208	24	360.00
Northeast Missouri State Teachers College, Kirksville	522	62	930.00
Northwest Missouri State Teachers College, Maryville	663	79	1,185.00
Park College, Parkville	448	53	795.00
The Principia, St. Louis	228	27	405.00
Rockhurst College, Kansas City	187	22	330.00
St. Joseph Junior College, St. Joseph	323	38	570.00
St. Louis College of Pharmacy, St. Louis	125	15	225.00
St. Louis University, St. Louis	2,629	315	4,725.00
St. Paul's College, Concordia	50	6	90.00

Name and Location of College	Student Enrollment	12 Per Cent of Enrollment	Monthly Allotment
St. Teresa College, Kansas City	121	14	\$ 210.00
School of Mines and Metallurgy, Rolla	355	42	630.00
Southeast Missouri State Teachers College, Cape Girardeau	636	76	1,140.00
Southwest Baptist College, Bolivar	143	17	255.00
Stowe Teachers College, St. Louis	1180	21	315.00
Tarkio College, Tarkio	203	24	360.00
Trenton Junior College, Trenton	81	9	135.00
University of Missouri, Columbia	2,733	327	4,905.00
Washington University, St. Louis	2,963	355	5,325.00
Webster College, Webster Groves	162	19	285.00
Western College, Kansas City	35	4	60.00
Westminster College, Fulton	308	36	540.00
William Jewell College, Liberty	303	36	540.00
William Woods College, Fulton	214	25	375.00
University of Kansas City, Kansas City*	418	50	750.00

\*As this is a new institution, the September, 1934, enrollment was used in calculating the allotment.



9. Repairing toys.



10. Recreational program for under-privileged children carried on by St. Joseph (Mo.) Junior College.







## SECTION VI

### 500 PROJECTS IN MISSOURI COLLEGES

#### I. CLERICAL AND OFFICE

1. Typing services for research problems.
2. Clerical work and correspondence, mainly in connection with the Missouri Academy of Science.
3. A classification of students' permanent records.
4. Administrative clerk for FERA.
5. Stenographic work in the parent education department.
6. Special assistant to registrar.
7. Filing in parent education department.
8. Opening and keeping set of books for cafeteria.
9. Compiling mailing list for college.
10. Typing and mimeographing for FERA.
11. Office statistician.
12. Clerical supervising of work on FERA projects.
13. Secretarial work for the secretary of the local committee on FERA.

14. Typists--special work in the revision of the library card catalog.
15. Clerical, statistical, graphical, and bibliographical assistance on research projects.
16. Keeping records of students for the dean of women.
17. Transfer of old students' records from obsolete and out-of-date forms.
18. General activities in making the college more effective in its being placed before the public, typing, clerical work, and preparation of programs, et cetera.
19. Typing and tabulating research work for education.
20. Copying students' applications.
21. Stenographer for director of adult education.
22. Clerical assistant for county relief chairman.
23. Secretarial work in connection with requests for information about the college.
24. Assisting executive secretary of Mental Hygiene Society.
25. Report to local press for public information on progress of FERA work on campus events.
26. Post office service, caring for mail in lieu of a sub-station.
27. Organization of Astronomical Section of the Missouri Academy of Science.
28. Job planning council helper. Stenographer in connection with the administration of projects.
29. Secretarial assistant in business laboratory. Work on inventories, tax commission reports, biennial reports, and requisitions to state purchasing agent.
30. Readers to assist in English, commerce, and history.
31. Reader to assist in the college science department.

## II. LIBRARY AND MUSEUM

32. City library--survey of use of library and proper classification of books.
33. College library--preparation and circulation of magazines.
34. Book repair project.
35. Assistant librarians, aiding in classification of books.
36. Museum work in biology.
37. Library cataloguing.
38. Indexing library.
39. Library work at parochial school.
40. Bookbinding.
41. Labeling and indexing of books and specimens.
42. Cataloguing botany library, mounting species.
43. Music librarian.
44. Cataloguing biological, geological, and ornithological museum.
45. Recheck of library stacks.
46. Rearrangement of museum.
47. New reading room where all periodicals are made available.
48. Survey of library books and periodicals.
49. Collecting, mounting, and arranging specimens.
50. Making duplicate catalog cards for bound and unbound magazines for exchange purposes.
51. Organization of art exhibitions.
52. Exhibition of a collection of Russian objects of art.
53. Sent students out over the district to teach the small high schools the art of mending books.

54. Preparation of bibliography in dramatics department.
55. Indexing references in Millennial Harbinger for Disciples collection.
56. Public library helper and story teller to a class of poor children.
57. Incorporation of a recently acquired library in the college.
58. Topical index catalog for cross-cataloguing of all library books.
59. Establishment of reserve book system and regulation of usage.
60. Creative art posters.
61. Cataloguing and arranging fine arts material for the museum.
62. Cataloguing botany library and specimens.
63. In art department cataloguing clippings on works of old masters and contemporary painters.
64. File clerk and catalog director.
65. Keeping the library open after college hours.
66. Library work in chemical engineering.
67. Collection of high school curricula and curricular materials for educational museum equipment.
68. Making tracings from a base map of the City of St. Louis.
69. Museum and display in mechanical engineering: preparing models and demonstration materials.
70. Cataloguing the 35 volumes of programs of Boston Symphony Orchestra.
71. Library work in French and Italian literature.
72. Library work on student publications.
73. Library and museum work--Spanish literature.

74. Reorganization and continuance of newspaper morgue of the School of Journalism.
75. Cataloging slides and records for art appreciation and music.
76. Preparation of an index to stories, poems, et cetera.
77. Collection of material of history of teachers colleges.
78. Indexing the journals of the Missouri Assembly, 1830-1840.
79. Historical atlas of Missouri.
80. Organizing a bibliography from the bound volumes of magazines and periodicals to discover articles of interest historically for the use of the department and the community.
81. Braille transcription.
82. Poster work in the dean's office.
83. Assembling of research material on feature writing, book reviewing, and magazine writing.
84. Assembling references for collateral reading and special reports, indexing, et cetera.
85. Work in chancellor's office preparing library for Missouri Welfare League.
86. Educational exhibit of costumes, also of the evolution of a book.
87. Preparation of bibliographies and reference indices of all United States Geological Folio Atlas in Drury library and the department of geology and geography. Also to catalog museum and laboratory specimens.
88. Annotation of articles in bound numbers of American Labor Legislation Revision, Harvard Business Revision, and Survey Graphic.
89. Rendering library and club assistance in Neighborhood House.

90. Classification of pathological museum species, classification of post-mortem protocols.
91. Preparation of chronological index of articles contained in very old newspapers.
92. Compiling classification of the law for the purpose of indexing the St. Louis Law Review.
93. Editing a bulletin which is sent out to members of the league among high schools and colleges in St. Louis.
94. Cataloguing and typing of index cards for reprints from medical journals.
95. Preparing geological materials for exhibition.



### III. LABORATORY ASSISTANTS

96. Testing and designing student laboratory exercises in soils.
97. Civil engineering: conducting tests and analysis of materials to determine their quality and fitness for use in construction.
98. Study of problems of incubation.
99. Making instructional charts for biology.
100. Zoology laboratory assistant.
101. Laboratory assistant in geology and geography--classification of minerals and maps and preparation of materials for use in laboratory.
102. Preparation of culture media.
103. Assistant in mechanical drawing.
104. Assistant in dietetics--study of per cent of health producing and reducing diets selected by students.
105. Assistant in preparation of materials for use of duplicating machines.
106. Making charts for biology department and assisting in biology laboratory.
107. Laboratory assistant in home economics.
108. In physics department assisting in research problem in the practical utilization of solar energy.
109. Making microscopic slides, whole mounts and sections for use in histology, botany, and embryology.
110. Sanctuary for botanical specimens for the purpose of saving some passing flora, and including the making of a small pool.
111. Testing agricultural products and produce.
112. The testing, use and developments of demonstration apparatus for class room instruction.

113. Assist in the preparation of specimens, growing of plants, et cetera.
114. Laboratory technician.
115. Construction and repair of laboratory apparatus and equipment.
116. Arranging supply store and shop.
117. Assisting superintendent in storing properties and making inventory.
118. Filing, classifying, and organizing material to be used in experiments in science and mathematics.
119. Manufacturing apparatus and equipment.
120. Assistant laboratory X-ray technician, City Hospital: Number One.
121. The preparation of approximately 400 histological slides.
122. Making lantern slides to be added to the collection of the School of Architecture.
123. Mixing and moulding of plaster of paris blocks used by freshman class for carving model teeth.
124. Repairing and building of photographic apparatus for optic laboratory.
125. Assistant to X-ray technician at City Hospital: Number One
126. Stagecraft laboratory work: designing, constructing, and reconditioning stage scenery and equipment.

#### IV. RESEARCH

##### A. Scientific:

127. Work on the Missouri Geological Survey under the direction of Mr. H. S. McQueen, Assistant State Geologist.
128. Termite investigation and control in Missouri.
129. Nutrition of poultry, fecundity of swine, and diet and bodily activity.
130. Conducting tests and analyzing materials to determine their quality and fitness for use in construction.
131. Game survey of Missouri: to determine the present abundance, living conditions, and distribution of game and fur-bearers in Missouri.
132. A study of the textural structures and porosity of the sedimentary rock to attempt to learn their relationship to the origin of rocks, et cetera.
133. A study of connections of the thalamus of the monkey brain and a study of experimental diabetes in the monkey.
134. A study of the home economics curriculum in the University of Missouri.
135. A study of the use of advertising materials in the study of home economics.
136. Veterinary science research: transmission of the Bang abortion infection to cattle from swine.
137. A study of diseases of turkeys and investigation of fowl paralysis.
138. Breeding improved strains of barley by the selection of pure lines and the hybridization of the strains.
139. Breeding early wheat by the hybridization of established pure line strains.
140. Breeding new varieties of corn by the recombination of in-bred lines.

141. Research in connection with the geography of Newfoundland.
142. A study of temperature changes in eggs under different environmental conditions and the influence of preincubation of eggs on hatchability.
143. Potash studies in connection with land classification.
144. Human and mammalian metabolism research.
145. Nutritional studies in growth and milk production.
146. Factors affecting the composition and processing of milk and its products.
147. Research projects in the chemistry of the rare earths.
148. Plant nutrition.
149. Investigation of the uses of inferior species of timber for construction on the farm.
150. Chemistry research in the field of phosphorescent substance minerals.
151. Research on conodonts.
152. Assisting in research on the crustacean food of some commercial fishes.
153. Rations for wintering beef calves.
154. Rations for weaning pigs.
155. The physiology of reproduction of farm animals.
156. Writing thesis regarding the care of teeth and the oral cavity from the school child's point of view.
157. A survey of insects and diseases of orchards, making slides, mounts, and charts.
158. Nutritional study of the tomato: taking care of plants, weeding, pollinating, and supplying nutrients in experimenting with the tomato.
159. Research on diphenyl ether series.

160. A survey of the water-shed of the Springfield Water Company
161. Preparation of insoluble residues of the Mississippi River and limestone rocks in Southwest Missouri, the data to be used as a basis for work to be done by the Water Resources Division of the Missouri Geological Survey in its preparation of logs.
162. Coal survey of Adair County.
163. Statistical work in the study of cancer in intestines: case records.
164. Technical work in the study of metabolism in the guinea pig.
165. Research in pharmacy.
166. Assisting in scientific photography.
167. Determining acetyl value of free fatty acids.
168. Calculate relative concentration of various atoms in stellar atmospheres under certain temperatures and pressures.
169. Study of structure of the interior of the earth.
170. Determination of earthquake epicenters.
171. Research in the physiological and psychological effects of noise.
172. Studying nerve endings in muscles by use of different stainings.
173. Study in health and classifying information of health influence attained in college.
174. Aids in checking the relative value and proportions of various foods in diet, determining satisfactory budgets applicable to a family group.
175. To determine the effect of exercises on the incidence of colds.
176. To determine the relation--if any--of swimming and diving to colds and sinus infections.

177. Food in relation to health.
178. An examination of all rainfall of Ozark regions.
179. Radio and testing of instruments.
180. Nature study trail.
181. Bio-chemistry research problem involving the sugar and other constituents in the body.
182. Vitamin studies upon egg yolks.
183. A study of diets of FERA students doing cooperative household work.
184. Research in petrology.
185. To determine the effects on scoring in basketball caused by an increase of two inches in the diameter of the goal.
186. Research into current scientific writings for illustrative diagrams and charts as may be used for class illustrations.
187. Care and feeding of experimental animals used in research problem in nutritional requirements in relation to upper respiratory infections.
188. Research on herpetology of Missouri.
189. Dental photography of pathological conditions of the oral cavity.
190. Research program for anatomy, bacteriology, and chemistry.
191. Tabulation and compilation of climatic data for a period of about 40 years and the correlation of these data with records as to certain types of diseases.
192. A study of caves in Southwest Missouri.
193. A study of the distribution of insects found in natural refuse.
194. Research work on photovoltaic effect.
195. The information services for the Agricultural Experiment Station and Agricultural Extension Service.

196. Effects of production control on farms to changing process.
197. Statistical analysis of data on growth, egg production, and other poultry problems.
198. A study of the influence of temperature of the growth of chickens.
199. Study of new types of equipment, especially in the field of radio communication.
200. Studies of factors influencing soil erosion. A special study of sample soils collected from erosion experiments.
201. Work on isolation of the causal agent of tomato mosaic.
202. Experimenting to discover the physiological effects of ultra-violet rays upon plant growth.
203. A study and experiment of cancer in mice.
204. A clinical study with relationship to cause, diagnosis, and treatment of squint (strabismus) was made in the eye muscle clinic.
205. Study of position of diaphragm upon intra-pleural, intra-bronchial, and intra-abdominal pressures in the dog.

B. Social and Sociological:

206. Bibliography in social case work.
207. To determine the extent of influence and number of local church organizations in each county, and a composite picture of religious and social influences in Missouri.
208. Study of trends in unemployment in St. Louis.
209. Study of leisure time used in library in St. Louis.
210. Preparing a chart showing the trends of numbers engaged in the civic occupations, as taken from the last three census reports.
211. Study of the regional trend of unemployment in St. Louis.

212. Gathering data for sociological study of teachers' retirement fund of the State Teachers' Association.
213. Preparing subject bibliography for parent education department.
214. A personnel study of students of Lincoln University.
215. A study of agricultural status and needs of the negroes of Missouri.
216. A study of the development of sociology in the United State
217. A study of the social activities of the women students of Park College, to furnish information for the revision of the extra-curricular program.
218. Organizing materials for the use of the band and orchestra.
219. Research in student guidance.
220. Survey and detailed report on condition of city streets, alleys, and walks.
221. Survey of sanitary, social, economic, and educational condition of the negroes in Warrenton.
222. Research in health and classification of information influencing scholarly attainment.
223. A statistical analysis of Catholic school board membership, as shown in Kennedy's Official Catholic Directory for the dioceses of the country.
224. Study of social science textbooks.
225. Study of effect of movies on class work of high school students.
226. Survey of fire risks in business houses of Fulton.
227. Public school posture survey.
228. Use of voting machine.
229. Colored student survey of Kansas City, Missouri, for high school graduates not in college.



230. Compiling information regarding municipal problems.
231. A study of rural recreational facilities.
232. Compilation of materials for the Municipal Reference Bureau
233. A survey of persons who might be eligible for old age pensions in Boone County.
234. Research on smoke abatement.
235. Research assistant in office of St. Louis Society for Crippled Children.
236. Statistical research data in the office of the community council.
237. City-wide economic survey to determine number of Veterans' Bureau men and a comparative analysis of the group with an equal number of non-veteran men.
238. Unemployment housing situation need for repair of negro section.
239. A suburban study of North Kansas City, Missouri, and vicinity to ascertain the behavior of the different types of suburbs as the administrative areas of the city change.
240. A survey and study of the social life needs on the college campus, the social activities, and church attendance.

C. Psychological and Educational:

241. To secure source material available in St. Louis libraries for the study of the history of education.
242. A study of Missouri junior college graduates in the University of Missouri.
243. Statistical data on women students on FEPA projects.
244. A study of records made by students on probation.
245. Tabulation of Standard Achievement Test results to compare achievement ranges of pupils in different groups.

246. Study of teachers' marks, pupils' grades, pupils' high school training, non-academic activities, and related matters at Harris Teachers College.
247. Research work in educational measurements on a study of prediction of teaching success.
248. Vocational statistical research.
249. Research in connection with teacher placement.
250. Administering college aptitude tests to high school seniors.
251. An analysis of the social, vocational, and personality aptitudes and interests of high school boys and girls of Missouri.
252. Research on teaching of commercial subjects.
253. Research on relation of teaching efficiency to training of rural teachers.
254. An occupational survey of the graduates of Springfield Senior High School.
255. History of education, particularly of the private colleges and academies, which served Southwest Missouri prior to establishing of the public high schools.
256. Research in college education.
257. Determine percentage of failures due to students not having individual texts.
258. Biographical study of school superintendents in Northwest Missouri.
259. Scoring and tabulating in connection with a study of the developments of race and nationality attitudes of children.
260. Work in research records in track, football, and basketball to compile the past records of the athletic department.
261. Collection of data for the purpose of determining the number of years to be spent in pre-legal study that seems best to prepare the student for entrance into the School of Law.

262. A project in social and vocational aptitude testing of university men.
263. Diagnosis of speech defects in college and elementary grades.
264. Assisting the United States Bureau of Education in the making of a comparative study of secondary school standards.
265. Comparison of grades made by students working on FERA.
266. Education: assembling reports.
267. Compilation of personnel file of alumni of teachers' college.
268. Gathering statistics for English department.
269. Introvert--extrovert test.
270. Research on individual differences and the resulting teaching implications.
271. A study of vocabularies as exhibited by freshmen.
272. Rebuilding courses in English and history.
273. Establishing and maintaining a system of comparisons and checks for a program of extra-curricular athletics.
274. A study of the persistence of the freshman class toward graduation in William Jewell College for the last 12 years.
275. A study of the graduates of Southwest Missouri State Teachers' College to include place of residence and social and economic status of parental family; to be paralleled with a study of the place of residence, occupation, and income of the graduates themselves.
276. Collecting data about Benedictine schools.
277. Research in problems of adult education: survey of offerings in night school extension courses and adult classes.
278. A survey of the number and educability of high school graduates under 20 years of age, who have not been able to attend any college or university.

279. A study in remedial work in spelling.
280. Research work in connection with program of experimental work in remote association, retroactive inhibition, and retention.
281. Compilation and resume of complete scholastic records of all students in the School of Journalism as an aid in advising relative to program of study and placement in positions after graduation.
282. Survey of journalism library after 25 years with recommendations as to completeness and betterment.
283. Factors to determine the university success of curators' scholars with the view of improving the present method of selecting curators' scholars.
284. Mental survey of state eleemosynary institutions.
285. A study of the scholastic records of students in the College of Agriculture to determine the relation of scholarship to length of time a student remains in school.
286. Science teaching research: a bibliography with brief abstracts of articles found in various journals from the college library.

D. Economic:

287. Bibliography on periodicals and text references on major domestic market commodities.
288. Economic problems--banking and currency--charts of banking and currency data.
289. Statistical investigation of the effects of short selling and speculation on the prices of stocks and the investment program of individuals.
290. Collection and tabulation of data in a research problem of analyzing financial statements of the companies listed on the New York Stock Exchange.
291. Research work on the effect of the NRA upon the work of the purchasing agent.

- 292. Budget and spending study of habits of college students.
- 293. Farm management adjustments to changing prices.
- 294. A study of the agencies of Federal Reserve policy.
- 295. A comparison of the value, productivity, and expenditures between farms operated by owners and tenants.

**E. Legal:**

- 296. Collection of information on manufacturers' merchandising practice.
- 297. Work connected with the legal department of the St. Louis Relief Administration. Giving advice in regard to certain legal problems and research and active participation in the preparation of legal proceedings.
- 298. Investigation of state laws affecting chain stores.
- 299. A study of court dockets to discover to what extent recipients of relief have paid fines or forfeitures and the nature of their offenses.
- 300. Research in parliamentary law.
- 301. Research problems in constitutional and administrative law.
- 302. Collection and compilation of laws of state pertaining to legal printing, rates, et cetera.
- 303. Research project in connection with a series of controversial questions in public affairs.
- 304. Compilation of bibliography on topics relevant to the research and teaching of the department, and the typing and arranging of journal abstracts.
- 305. Research in the field of contract law.
- 306. Research in the field of code pleading with special reference to the functions which the pleadings serve in litigation and the state of the law thereon.
- 307. Comparative study of pleading statutes and of the decisions thereunder.

308. Survey to determine the percentage of appealed cases in Missouri courts which have been reversed for procedural errors of substantive law over a 10 year period last past.
309. Bibliography of material on the law of equity and trust, and a bibliography of material on the law of sales.
310. Law research project in connection with the decisions of the appellate courts.

F. Historical:

311. Gathering information from Congressional reports, magazine and books on the topic: "International Trade in Arms and Ammunition."
312. Research on history and geography of Southeast Missouri.
313. Government and political science research.
314. Preparation of a collection of old library materials and documents in the field of American history, which have hitherto been inaccessible.
315. Preparation of photostat letters and documents of historical value so as to make them accessible to a larger group of research students.
316. Research in Missouri history, geological and geographical features, old pioneer settlements, and old time towns.
317. Relationship between a knowledge of European history and an appreciation and understanding of current magazine and newspaper articles.
318. Assembling data about family tree records.
319. Gathering and compiling data relative to the training experience and achievements of teachers of vocational agriculture.
320. Calendaring documents of historical interest.
321. Bibliography of material relating to the early history of Greene County and vicinity. Primary and secondary

sources covering historic sites, Indian villages, camps, relics, fortresses, early inhabitants, government, schools, churches, and fine arts.

322. A recent United States history project.

323. Research in origins of Protestantism in the State of Missouri.

G. Literary and Philosophical:

324. Modern language research.

325. Research in philosophy: bibliographies and supplementary materials are being organized for courses taught in philosophy department.

326. A study from reorganized texts on public speaking of the best didactic material grouped according to subject matter.

327. Survey of trade journals in the United States.

328. Research in English literature: a bibliography of articles on Shakespeare which are contained in scholarly periodicals.

329. Research in English literature: a study of the relation of ballad authors to ballads.

330. Bibliography and research work in connection with The Philosophy of Democracy.

## V. EDUCATION (Teaching)

331. Tutor for slow students in mathematics.
332. Giving instruction in making posters for public school activities.
333. Directing and supervising debate and dramatic activities of high school students.
334. Instructor to teach boys in transient camp personal hygiene, history, blue print reading, et cetera.
335. Gymnasium attendants making possible greater facilities in the use of the gym for students.
336. Adult teaching.
337. Student teaching in order to keep children in touch with classes during absence.
338. Music instruction for a class or classes of poor children.
339. Tutoring beginning shorthand.
340. Teaching art to children in crippled children's clinic.
341. Practice teaching in local public schools, supervising playgrounds, and public school music practice classes.
342. Assistant in public school art.
343. Classical language department assistant.
344. History and geography assistant.
345. Compilation of materials and organization of units for instruction in etiquette and courtesy, including radio talks on the subject.
346. Teaching of illiterates.
347. Social studies classes.
348. Instructing high school pupils to present programs in rural schools.



- 349. Coaching backward students.
- 350. Women's and men's glee clubs.
- 351. Night schools for adults.
- 352. Practical training in business methods.
- 353. Visual education.
- 354. Vocational guidance.
- 355. Assistance in organization and management of concerts.
- 356. Instructor in cooperative advertising.
- 357. Assistant visiting teacher.
- 358. Instructive features of life in various countries.
- 359. Assistant in study hall of high school.
- 360. Intelligence tests.
- 361. Music instruction for class of underprivileged children.
- 362. Teaching a sub-normal child who cannot attend school.
- 363. Practice teaching of deaf classes.
- 364. Supervision of plays and games and entertainments and teaching handicraft at orphans' home.
- 365. Instruction in elementary subjects among illiterate transients.
- 366. Teaching various games at the YMCA.
- 367. Rendering assistance in the office and in the preparation of teaching materials for workers' education in the St. Louis office of the Emergency Educational Program.
- 368. Special reader and driver for blind citizen of St. Louis to enable him to gain more knowledge and enjoy social advantages.
- 369. Supervising game room, sponsoring hobby club, taking children on outings and teaching them to make reed and raffia baskets.

- 370. Mounting pictures on cardboard for use in instructing deaf children.
- 371. Dictating children's stories to blind teacher so she might take them down in Braille to be used in her broadcasts.
- 372. Helping blind with correspondence, and taking walks and entertaining blind people.
- 373. Constructing set of charts on posture, to be used in the teaching of correct posture to nurses, physicians, and patients.

## VI. RECREATION

374. County recreational program--playground supervision.
375. Playground extension work.
376. Rural recreational facilities.
377. Community recreation and leisure hour leadership in connection with public schools, churches, and welfare agencies.
378. Centennial celebration of the University of Missouri.
379. Adult recreation and physical education in connection with the adult recreation program in the public schools of Columbia.
380. Promoting leisure time activities through plays, storytelling, and puppet making.
381. Club leader and instructor in games and swimming at Neighborhood House.
382. Playground work for groups out of school hours.
383. Director of recreation for boys.
384. Director of recreation for girls.
385. Recreation club for boys just off the college campus with meetings in gymnasium.
386. Assistant on playgrounds at Community Center.
387. Directing of Boy Scout recreation and instruction at regular troop meetings.
388. Preparing an index of dances and songs for physical education department.
389. Supervising play at the Salvation Army day nursery.
390. Supervising an American Legion boys' baseball team.
391. Supervising playground activities at the colored orphans home.

392. Director of recreational physical education for junior high school boys.
393. A series of programs to be presented in rural communities, towns, and schools.
394. A series of foreign language programs consisting of music, playlets, games, pantomimes, et cetera, illustrative of foreign language, art, customs, and costumes.
395. Assist athletic director in field house.
396. Playground instructors and supervisors at the Kansas City Boys' Orphans' Home.
397. Community athletic program.
398. Intra-mural athletics.
399. Physical education in the public school system.
400. Public playground in the negro district.
401. Accompanist for the dancing classes.
402. Instruction in drawing, supervision of games, and entertaining reading is given to a group of children of grammar school age at the Guardian Angel Settlement.
403. Recreational activities at the local COC Camp.
404. Recreational work at the YMHA.
405. Directing activities of colored girls of school age, recreation and play.
406. Supervising and assisting in plans and preparations of stage settings for production for National Music Week and other similar duties in drama department.
407. Planning and preparing the costumes for a musical production to be given in the local community Music Week.
408. Assisting in preparation and production of a spring festival a type of work which appeals to fine arts students.
409. Planning and carrying out the details of the entire campus recreational program.

- 410. American Legion has asked for a part-time student to organize games for grade students in the local public school
- 411. Instructing and aiding backward learners in community swimming pool.
- 412. Directing play nights for elementary schools, for business men, and for unemployed.
- 413. Supervised recreation for convalescing children of St. Louis Children's Hospital.
- 414. Work at Council House, a recreational center operated by the Council of Jewish Women.

## VII. HEALTH AND WELFARE (Community and State)

415. House to house survey of a rapidly growing suburban area to accumulate data on the basis of which socially desirable welfare work can be intelligently planned.
416. Experiment with adolescent girls--creating proper attitudes toward home duties.
417. Postural study of school children.
418. Clinical pathology--extension work in public clinic.
419. First aid classes in public schools.
420. College health bureau: consists of the usual routine of health service of the student body.
421. Assistant in clinic at House of the Good Shepherd, home for wayward girls.
422. Health problems, special work on overcoming physical defect or weaknesses.
423. Supervisor of sanitary conditions in student living quarter.
424. Check of town, extent of use of cistern water, condition of cisterns as to safety.
425. To determine need for social service for crippled or handicapped children and for educational classes for adults and the planning of projects to cover such needs.
426. Survey of sewers for drainage, street use and household purposes throughout the City of Tarkio.
427. Collection of state and rural health resource material.
428. Study of the status of children in the public school whose parents are on the relief rolls.
429. Project to make braces and to make equipment to be used in connection with the treatment and rehabilitation of crippled children from families in Missouri financially unable to pay the cost of such braces and equipment.
430. Public welfare society project.

431. Assisting in the office of the visiting teacher of Boone County, preparing of materials for Red Cross Roll Call, and keeping records.
432. Happy Jack Health Club project.
433. Fire hazard survey.
434. Campaign for funds for health work in Boone County.
435. Children's dispensary.
436. Clinic research program--experimental work in new dental procedures.
437. Help in care of cripples.
438. Construction of septic tank in order to do away with open sewer.
439. Revision and replacement of open air school histories.
440. Making equipment for the present kindergarten and toys for children of families on relief.
441. Assisting in county welfare office.
442. Survey of economic status and opportunities of negroes in Cole County.
443. A suggested program of health education for the colored schools of Missouri in light of the present needs.
444. Compiling health data for public school children of St. Louis.
445. Study of infant diseases, vaccination, et cetera; also, a study of source of milk supply.
446. Determine number, age, and sex of crippled children in Cape Girardeau and find if there is a possibility that a qualified FERA student might be assigned to give these children remedial exercises in playground activities.
447. Study number and causes of deaths in Cape Girardeau during the past year.
448. Dietitian, FERA nursery schools.

449. Sociological study of transients at Salvation Army.
450. Sewing--material furnished by State Hospital Number One.
451. Supervising sewing, inspecting finished garments, keeping time of girls doing work.
452. Sewing, small amount of extra work at opening of school.
453. Working out landscape plans for the beautification of the valley of the White Aloe stream between the City of Parkville and the Park College campus.
454. Community choral work for colored boys and girls.
455. Making supplies for the nursery school.
456. Assist in the United States Government Weather Bureau Office.
457. Arts and handicrafts--to make available through printed matter and leather working, book binding, basketry, and pottery.
458. Interscholastic music contests.
459. Assisting Flat River Lion's Club to introduce the Federal Housing Plan.
460. A study of juvenile delinquency.
461. Social worker at churches of the community.
462. Braille class at Barat Catholic Action Center.
463. Glee club work for students not in the college glee club.
464. Social work in Mexican center.
465. Band and orchestra community project for colored men and boys.
466. Survey as to non-scholastic activities of college students and adults of college age in the community.
467. Civic improvements.
468. A study of milk supply in the local community.



469. Assisting engineers in the renovation of equipment to improve the water supply of the community.
470. Social activities for students and townspeople outside of the boys' dormitory.
471. Social survey of the community.
472. Dressing dolls that are to be given to the poor children at Christmas.
473. Organization of art exhibits to be sent out to the schools of the state.
474. Assistant in junior art museum: dramatic work and preparation of puppet shows.
475. Preparation of a set of slides for circulation to the schools of the district and to agricultural and scientific clubs of the area.
476. Readers' reference service for the convenience of the college and public school teachers and the public generally.
477. A study of American and English plays with reference to their adaptation for use in high school and college dramatic clubs.
478. Reading to blind teacher in Missouri School for the Blind while the blind teacher translates the contents into Braille.
479. Supervision of study hall for orphans at Central Wesleyan Orphans' Home.
480. Organization of community crafts club.
481. Nutrition work with mal-nourished children of the community.
482. Service bureau for literary clubs, home-makers clubs, and musical clubs.
483. Collection of materials for special day programs, especially to be sent to schools that have little material of this kind.
484. Preparing helps for teachers of physics in small high schools.

485. Preventing the usual winter destruction of poor children's teeth.
486. Social development and remedial teaching of underprivileged children of CCC men in camp. This included several parties and hikes for these children.
487. Case studies of problems in psychology, biography, and literature.
488. Health supervision in junior high school--a study of improvement of sanitary conditions in high school.
489. Preparation of industrial index of contacts on calls made in business and industry by office of Missouri State Employment Service.
490. To determine extent of unemployment and present social status of negroes in St. Louis.
491. A comparison of the intelligence, personality, and character traits of employed and unemployed workers.
492. A study of habits in the children of the nursery school.
493. Compilation of data and rules for handling routine office duties in office of Missouri State Employment Service.
494. Attendants to hospital patients.
495. Assisting in department of physical therapy.
496. Bureau of Homeless Men clinic.
497. Study of adjustments of feeble-minded persons who have married.
498. Mounting of pictures to be sent to corrective institutions for boys and girls.
499. Supervised play in Neighborhood House located in the slum area of St. Louis.
500. Teaching bookkeeping to underprivileged children who gather at a community house on Saturday.
501. Work in setting up the shop for artificial limb manufacture to be used in the making of artificial limbs for charity cases.

502. Working as an attendant in the halls of the city insane asylum.
503. Construction of a spot map showing the location in the city of individual relief families, in order that centers of relief districts may be determined and movement of families from one portion of the city to another may be discovered.
504. Pay roll analysis work: this work will be directed by the local relief office.
505. Assistant to employment worker of the Rehabilitation Division of the American Red Cross.





